

Thank you for purchasing the **UX-R91A/E RECEIVER UNIT**.

Use this optional unit with the **IC-901A/E** for receiving on the MW, VHF and UHF bands. The unit also makes possible FM stereo reception.

Please read the IC-901A/E instruction manual regarding installation, connection and operation.

RECEIVING NOTE

1. Regulation

Information overheard but not intended for you cannot lawfully be used in any way.

2. Squelch setting

The IC-901A/E squelch threshold point is fixed between 520 kHz and 137.00 MHz when the UX-R91A/E is connected, even if the squelch indicator changes when the squelch switch is pushed.

In addition, the speaker jacks on the UX-R91A/E rear panel emit audio output constantly regardless of squelch settings on the MW (520 kHz ~ 1630 kHz) or FM (76 ~ 108 MHz) band.

3. Unwanted signal emissions

As the UX-R91A/E is designed for receiving within a wide-band frequency range, the receiver may emit its own oscillated frequency from the speaker, resulting in no reception or noise only reception on some frequencies.

4. Wide-FM signal receiving

The received sound will be distorted when receiving signals with a wide frequency deviation such as signals from TV stations. However, this is normal since the UX-R91A/E is designed to receive narrow FM signals that are higher than 137.00 MHz.

SPECIFICATIONS

		MW BAND		VHF BAND				UHF BAND					
FREQUENCY COVERAGE		520 kHz	76.00 MHz	108.00 MHz	137.00 MHz	200.00 MHz	300.00 MHz	800.00 MHz					
		1630 kHz	108.00 MHz	137.00 MHz	200.00 MHz	236.00 MHz	500.00 MHz	950.00 MHz					
MODE		AM	WIDE-FM	AM	FM								
SENSITIVITY		Less than 18 μ V for 10 dB S/N	Less than 2.0 μ V for 12 dB SINAD	Less than 3.2 μ V for 10 dB S/N	Less than 0.5 μ V for 12 dB SINAD								
RECEIVE SYSTEM		Single-conversion superheterodyne		Double-conversion superheterodyne									
IF FREQ.	1st	455 kHz	10.7 MHz	59.55 MHz									
	2nd	—	—	455 kHz									
SELECTIVITY	More than 6 kHz/ -6 dB	More than 200 kHz/ -6 dB	More than 12.5 kHz/ -6 dB										
	Less than 20 kHz/ -40 dB	Less than 600 kHz/ -20 dB	Less than 30 kHz/ -60 dB										
SQUELCH SENSITIVITY		56 μ V (Fixed)	32 μ V (Fixed)	0.56 μ V (Fixed)	0.22 μ V	0.22 μ V	0.4 μ V	0.32 μ V					
ANTENNA IMPEDANCE		50 Ω unbalanced											
USABLE TEMP. RANGE		-10°C ~ +60°C; +14°F ~ +140°F											
FREQUENCY STABILITY		\pm 10 ppm (-10°C ~ +60°C; +14°F ~ +140°F)											
POWER SUPPLY REQUIREMENT		13.8 V DC \pm 15% (The DC power is applied from the IC-901A/E.)											
AUDIO OUTPUT POWER		More than 2.4 W at 10% distortion with an 8 Ω load											
CURRENT DRAIN		Max. audio output: 1.8 A Squelched: 1.2 A (The current drain includes all current drain when operating with the IC-901A/E.)											
DIMENSIONS		177 (W) X 25 (H) X 171 (D)mm ; 7.0 (W) X 1.0 (H) X 6.7 (D) in (Projections not included)											
WEIGHT		1.0 kg ; 2.2 lb											